USB2.0 UVC PC Camera
SVB Optic Webcam (SVB-0430)

User Manual

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Introduction

Thank you for choosing our new generation Web Cam (pc camera)! It is a high performance Web Cam (pc camera) product guaranteed by our technology and quality. It is a PNP (Plug and Play) product for real-time data transmission to PC via USB Port. It has a high resolution and fast transmission rate, and it is also nice-looking and easy to carry with you, it just brings intimate and convenient life experience with your distant friends and families.

- Can interpolate upto 12MP with Quick Video Software

Part A:

Performance without driver software installed:

Parameters and features

- 350k pixels resolution
- High resolution CMOS color sensor
- Video mode: 24bit true color
- Large video capture size: 640 × 480
- Interface: USB2.0 high-speed
- Transmission Rate: 640 × 480 up to 30fps
- Noise-signal ration: greater than 48db (30fps 220LUX)
- Dynamic range: greater than 72db
- Optional flicker: 50Hz or 60Hz
- Image focus: 5cm to infinity
- Build-in image compression
- Automatic brightness adjustment
- Automatic color compensation
- Manual focus

Computer Requirement

Hardware:

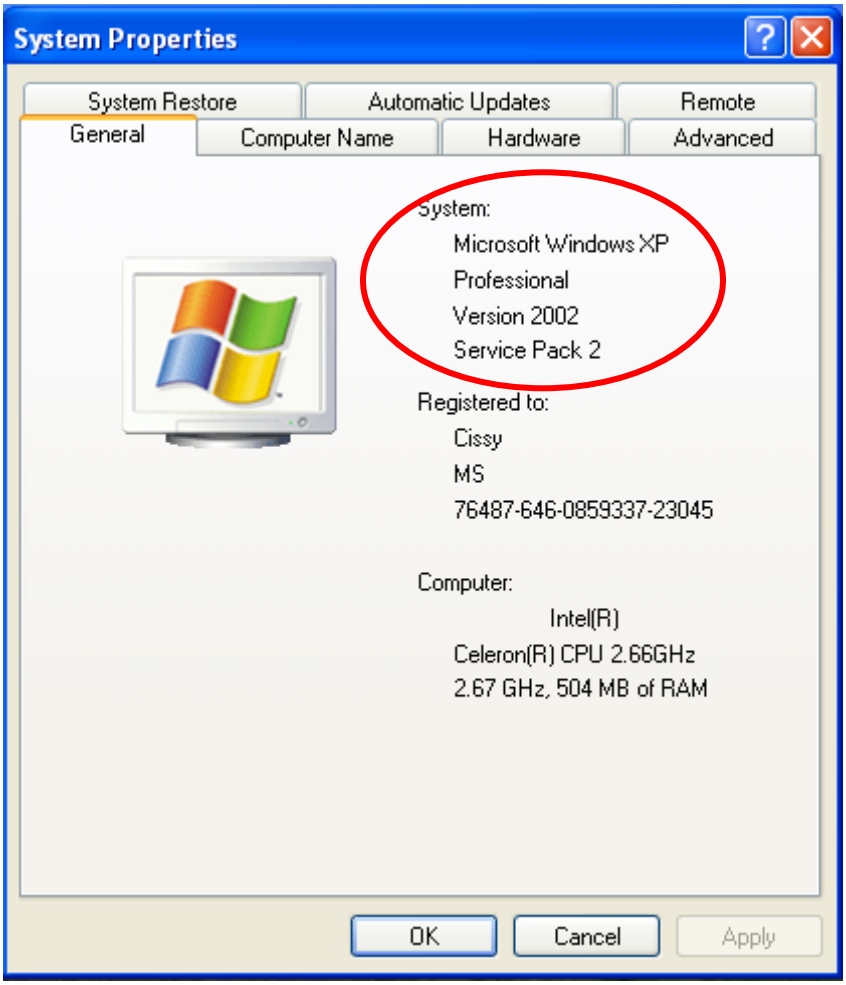
- Desktop PC or laptop PC with USB2.0 interface
- Pentium 200 or higher CPU
- 32MB or higher memory

Software:

- Operation system:
  Windows XP service pack 2 or above version;
  Windows Vista compatible.

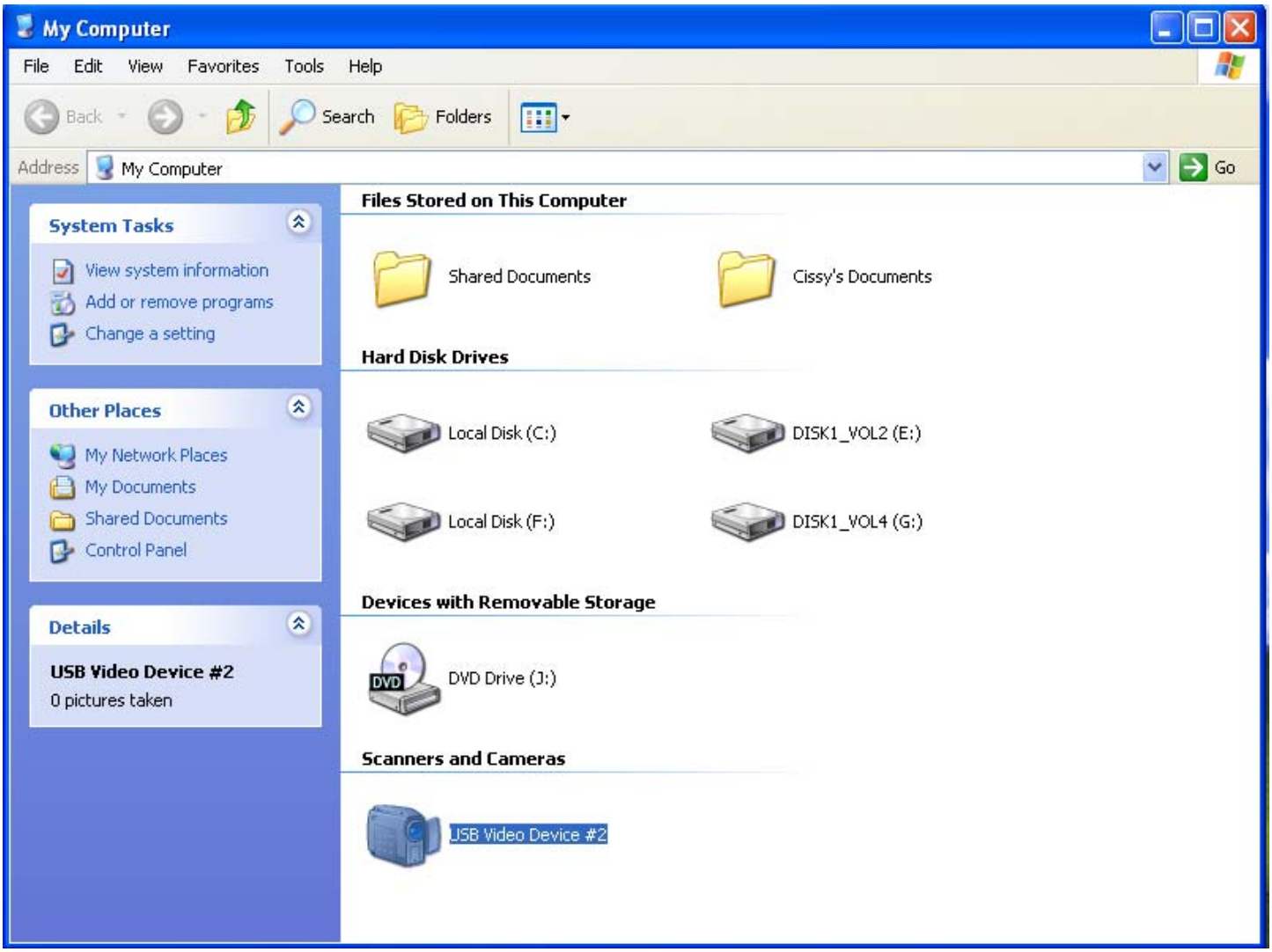
Camera Installation (without driver software)

1. Check your operation system. Right click on "**My Computer**" find out "**Properties**", to see the operation system of your computer from the below picture.

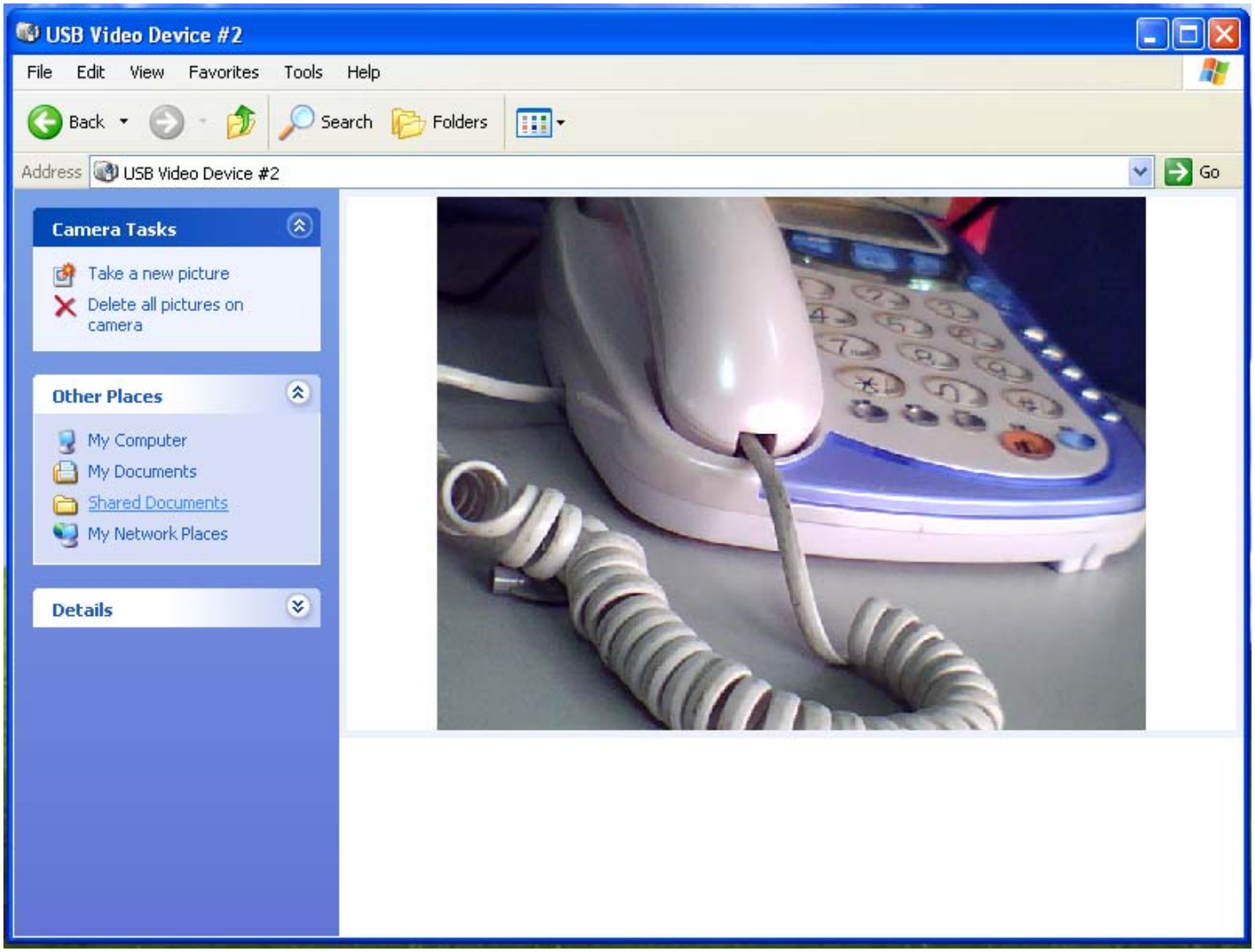


2. If you have check out your OS is the version of Windows XP service pack 2 or above, than you can plug the PC camera into the USB interface, on the computer will show as below picture "Found New Hardware USB Video Device", this is to say your PC camera hardware can be used now.

3. Where you can preview the PC camera video capture?
Double click on "**My Computer**" on the desk, then you will find "**USB Video Device #***" from the following window:



4. Double click on "**USB Video Device #***", then you can preview the video capture as in the following window, also you can take still captures here.


USB Video Device #2
File Edit View Favorites Tools Help
Back Search Folders
Address USB Video Device #2
Go
Camera Tasks
Take a new picture
Delete all pictures on camera
Other Places
My Computer
My Documents
Shared Documents
My Network Places
Details

Part B:

Performance after driver software installed:

Note: Under the Windows XP Service Pack 2 operation system, please make sure you plugged the camera USB into the initial USB interface that you had installed driver software. Otherwise, you plug the camera into other USB interface not installed driver software, the camera will performance as **Part A**

Parameters and features

- 5.0Mega pixels resolution
- High resolution CMOS color sensor
- Video mode: 24bit true color
- Large video capture size: 2560 × 1920
- Interface: USB2.0 high-speed
- Transmission Rate: 640 × 480 up to 30fps
- Noise-signal ration: greater than 48db (30fps 220LUX)
- Dynamic range: greater than 72db
- Optional flicker: 50Hz or 60Hz
- Image focus: 5cm to infinity
- Build-in image compression
- Automatic brightness adjustment
- Automatic color compensation
- Manual focus

Computer Requirement

Hardware:

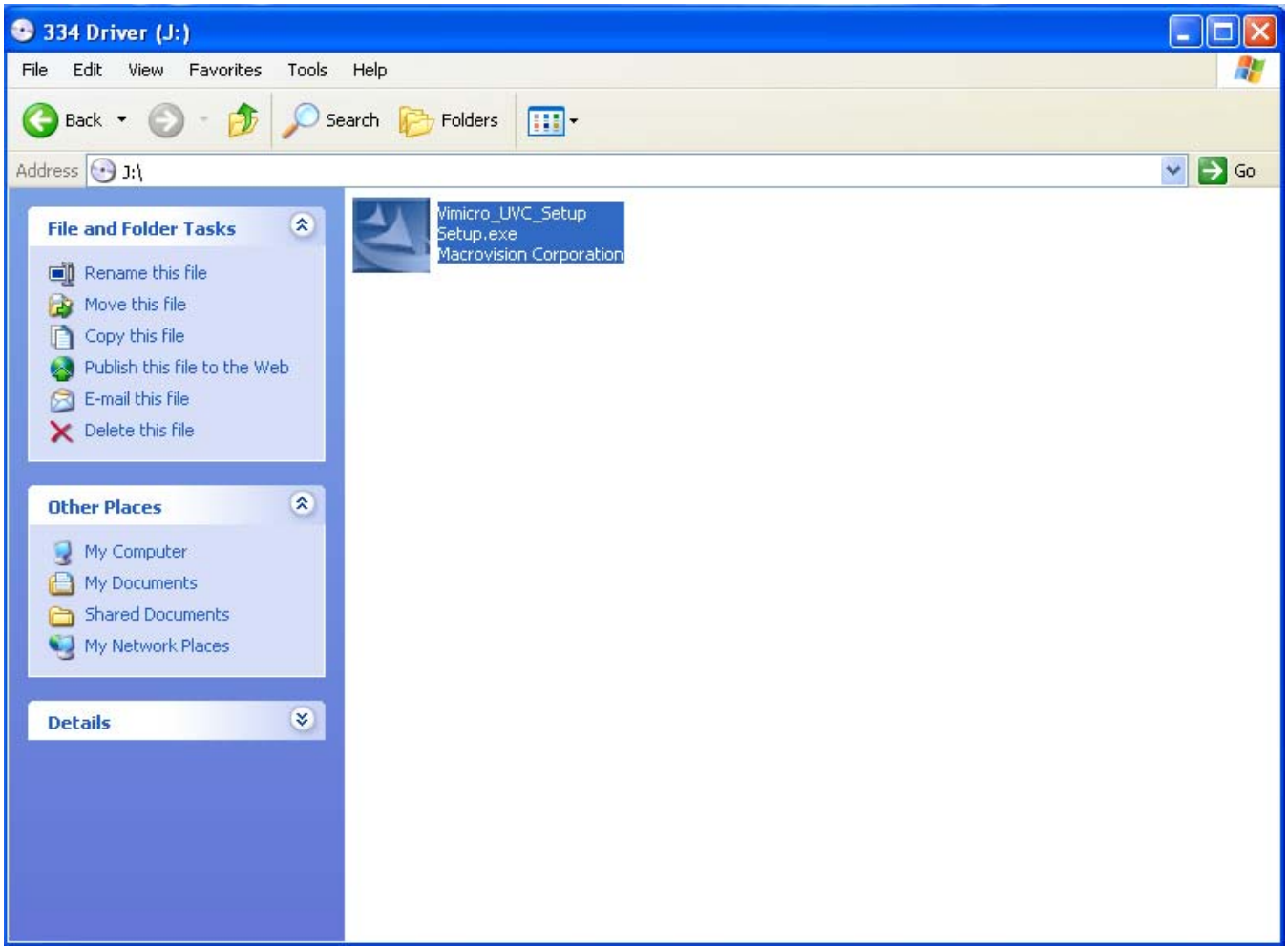
- Desktop PC or laptop PC with USB2.0 interface
- Pentium 200 or higher CPU
- 32MB or higher memory
- Over 200MB free hard disc space
- 32MB or higher memory
- CD Rom drive

Software:

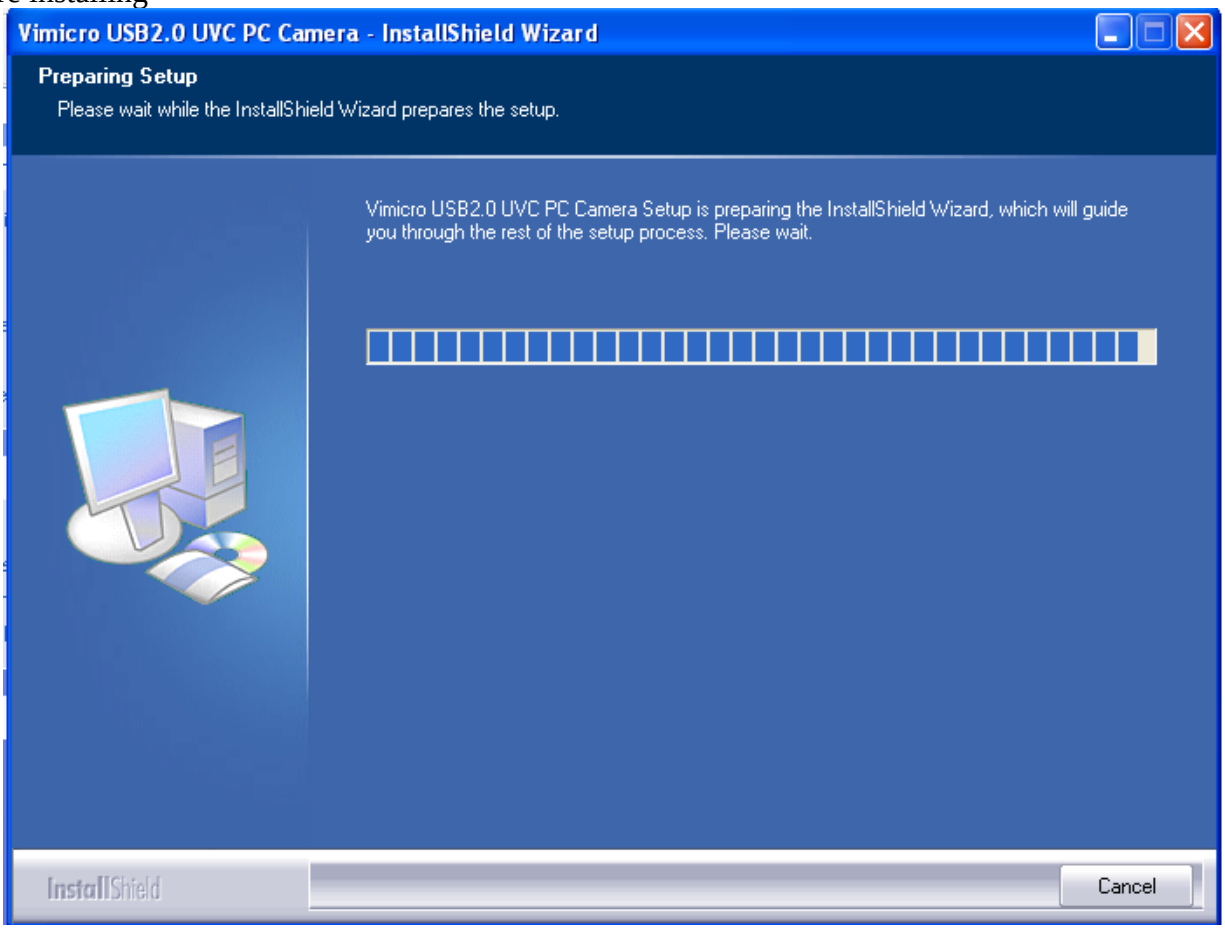
- Operation system:
  Windows2000, XP service pack 1
  Windows XP service pack 2 or above version;
  Windows Vista compatible.

Camera Driver Software Installation

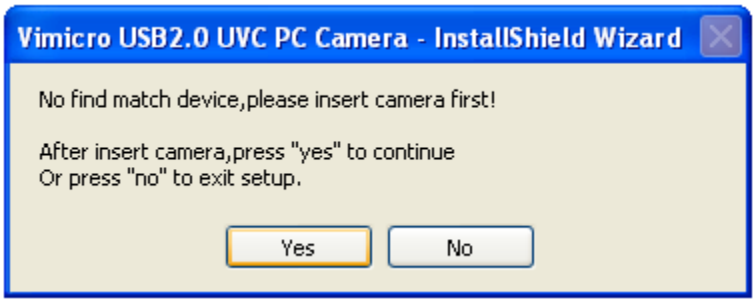
1. Insert the software CD to your CD-ROM drive, and find the software from the CD ROM as below, double click it to start the driver installation.



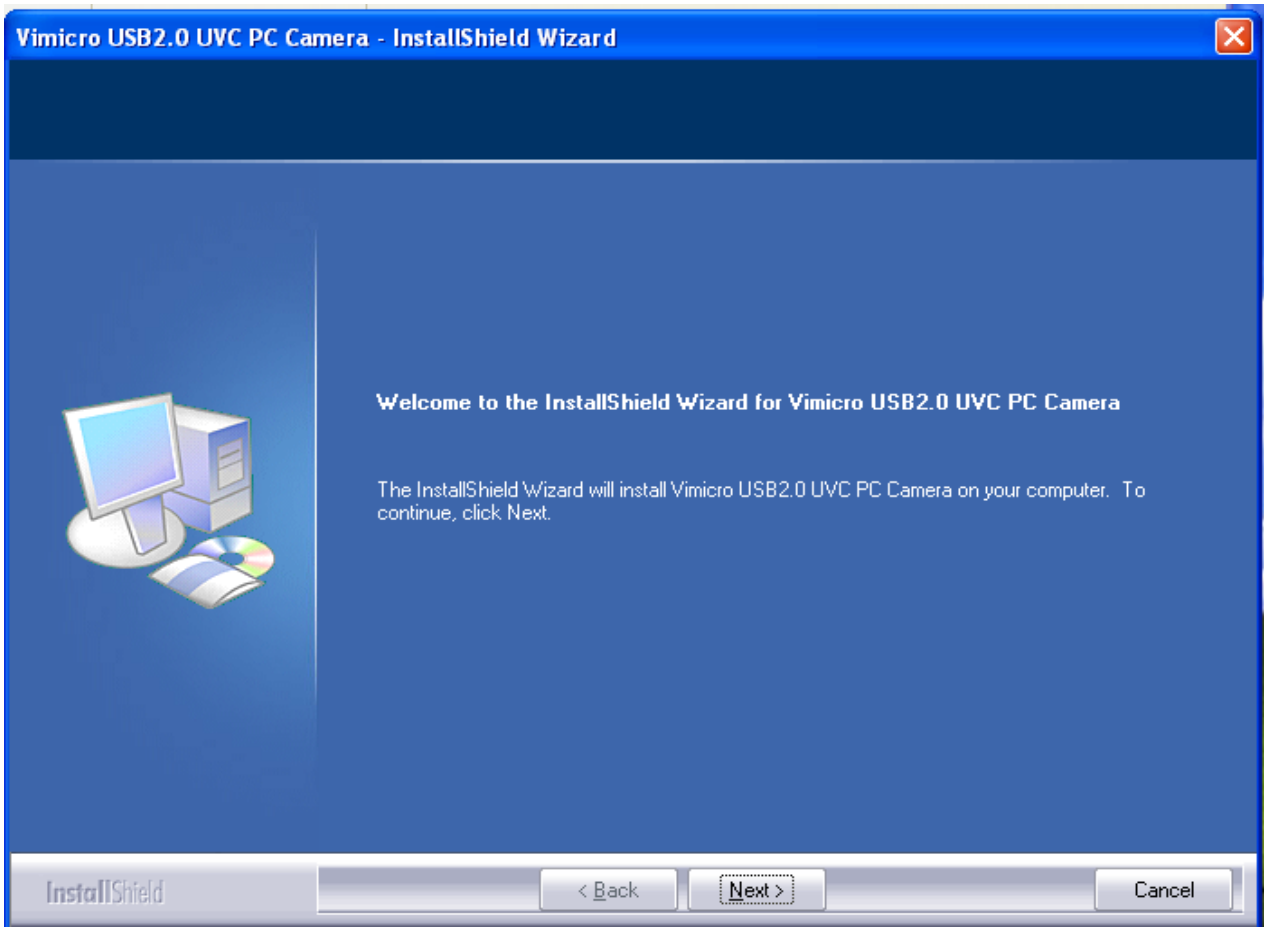
2. Software installing


Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
Preparing Setup
Please wait while the InstallShield Wizard prepares the setup.
Vimicro USB2.0 UVC PC Camera Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
InstallShield
Cancel

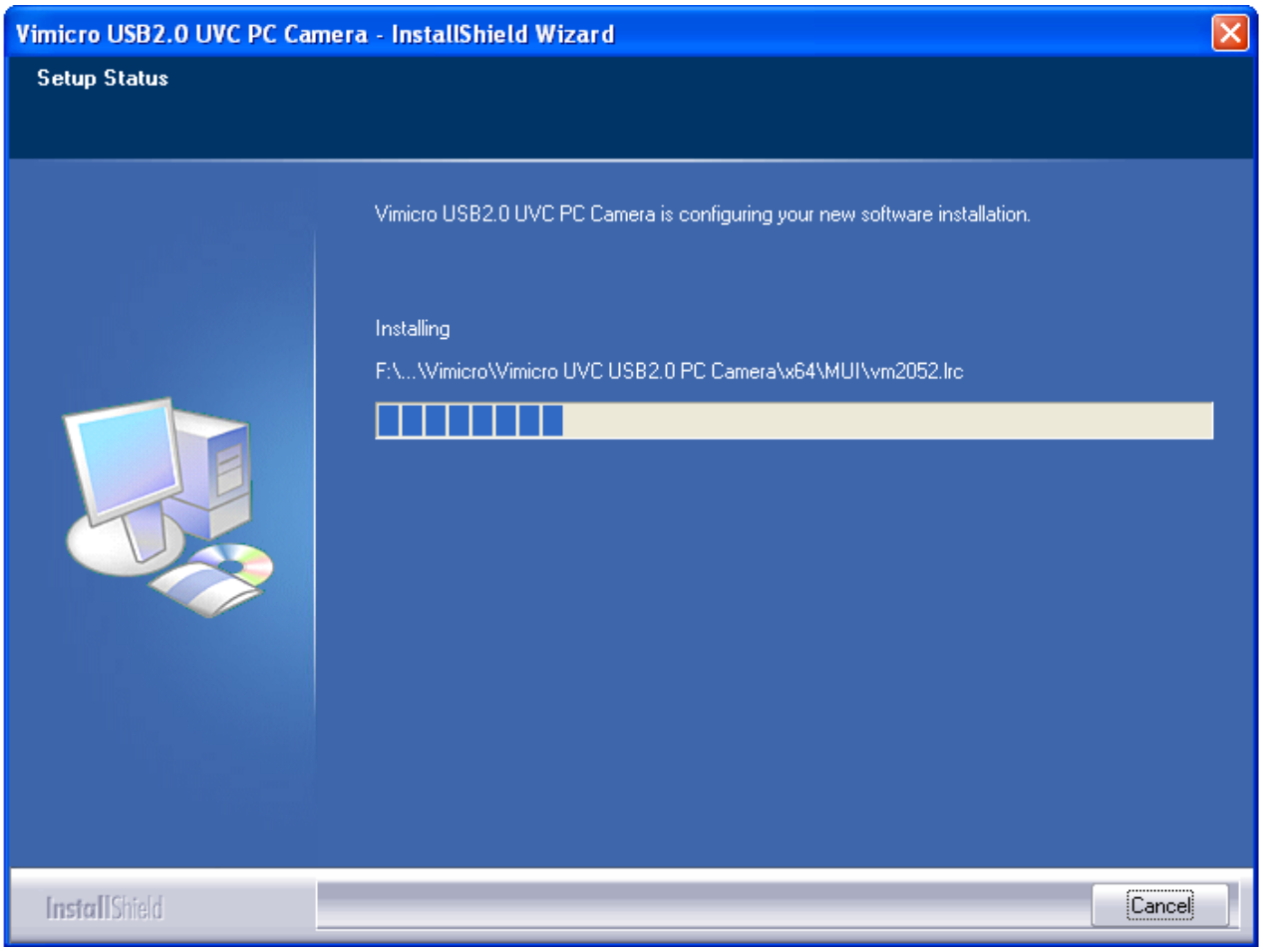
3. This window appears to remind you plug the PC camera USB into the computer interface first before you install the driver. After you inserted the camera into the USB interface, please press “Yes” to continue.


Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
No find match device,please insert camera first!
After insert camera,press "yes" to continue
Or press "no" to exit setup.
Yes
No

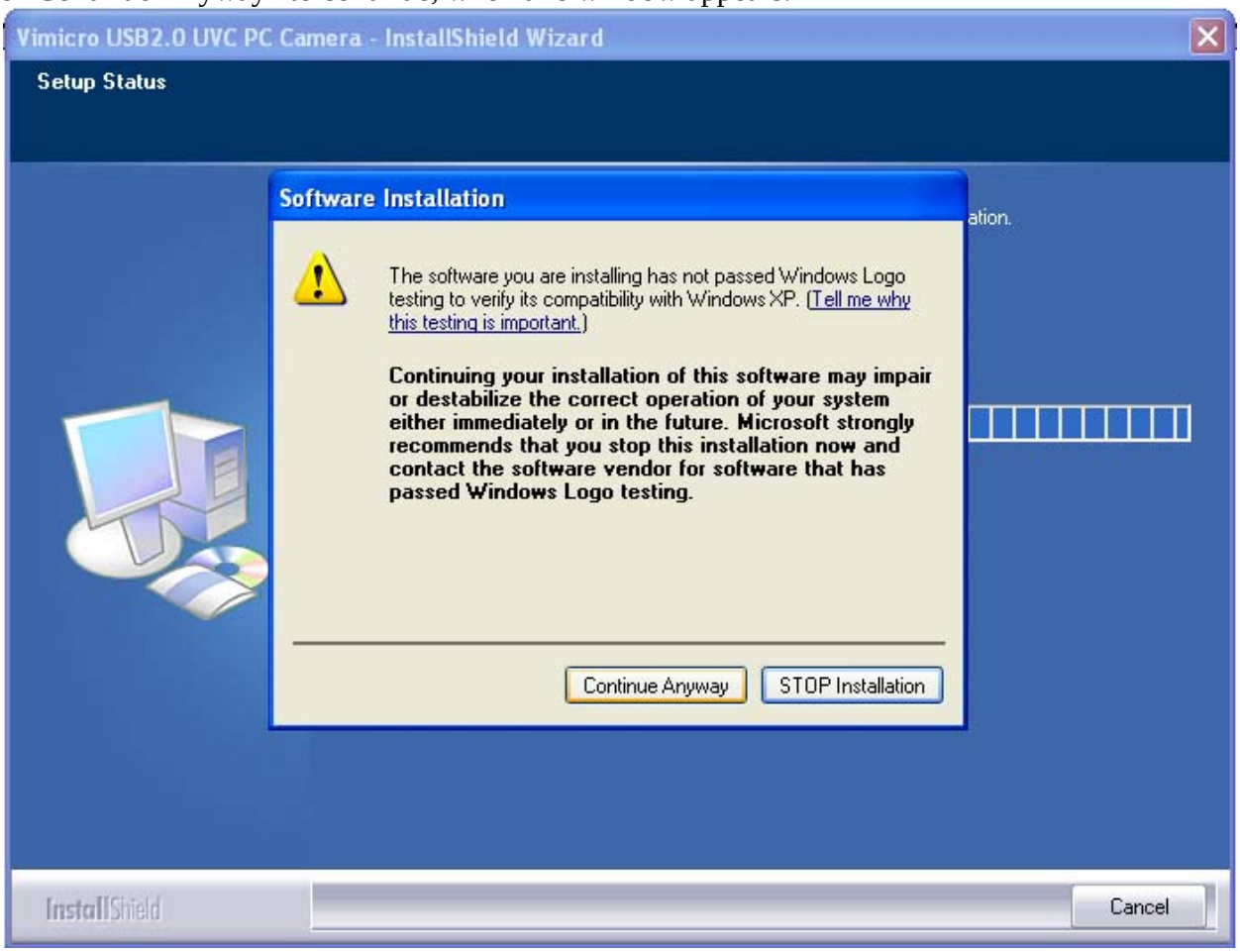
4. Then, click on the “Next”


Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
Welcome to the InstallShield Wizard for Vimicro USB2.0 UVC PC Camera
The InstallShield Wizard will install Vimicro USB2.0 UVC PC Camera on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

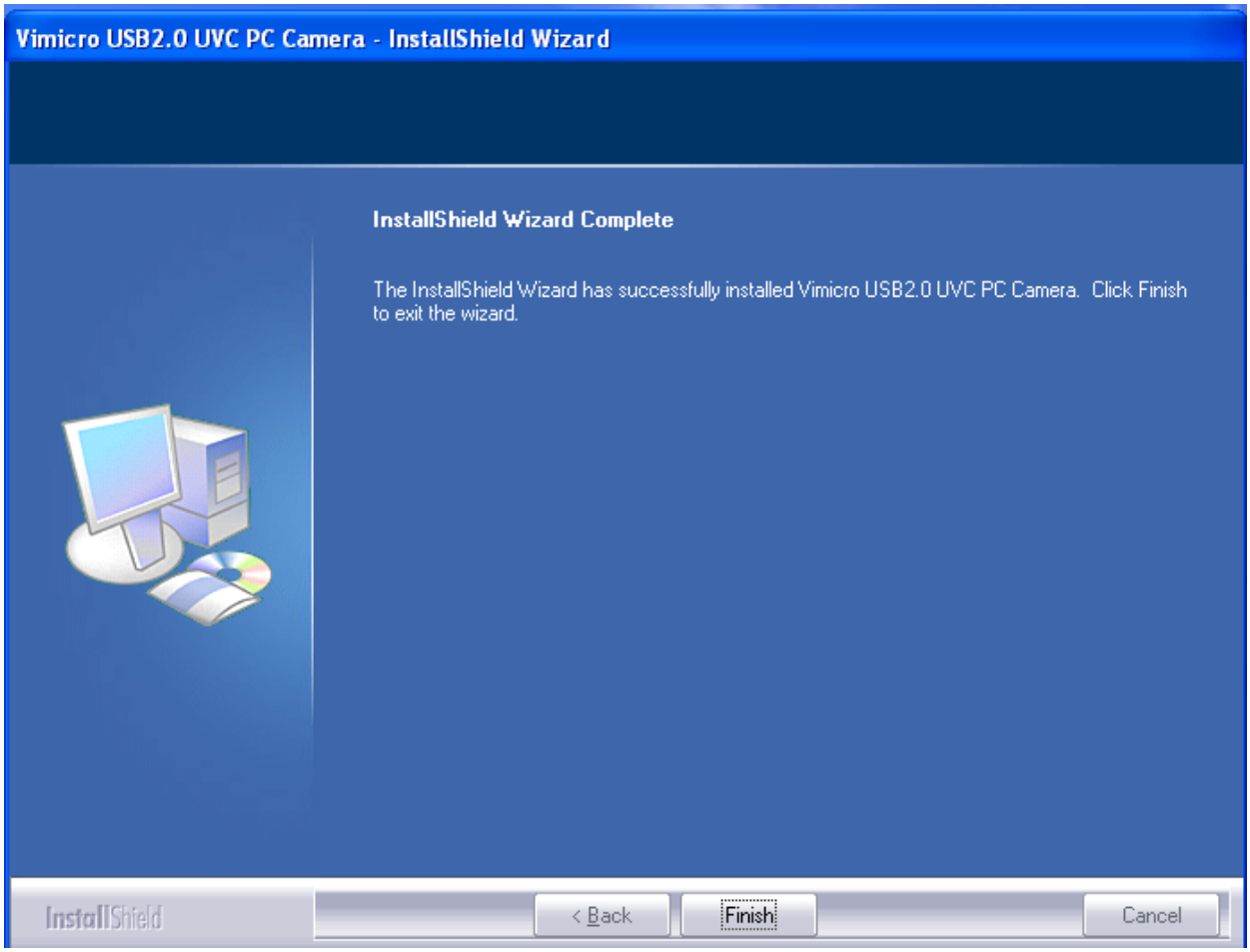
5. Continue the installation


Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
Setup Status
Vimicro USB2.0 UVC PC Camera is configuring your new software installation.
Installing
F:\...\Vimicro\Vimicro UVC USB2.0 PC Camera\x64\MUI\vm2052.lrc
InstallShield
Cancel

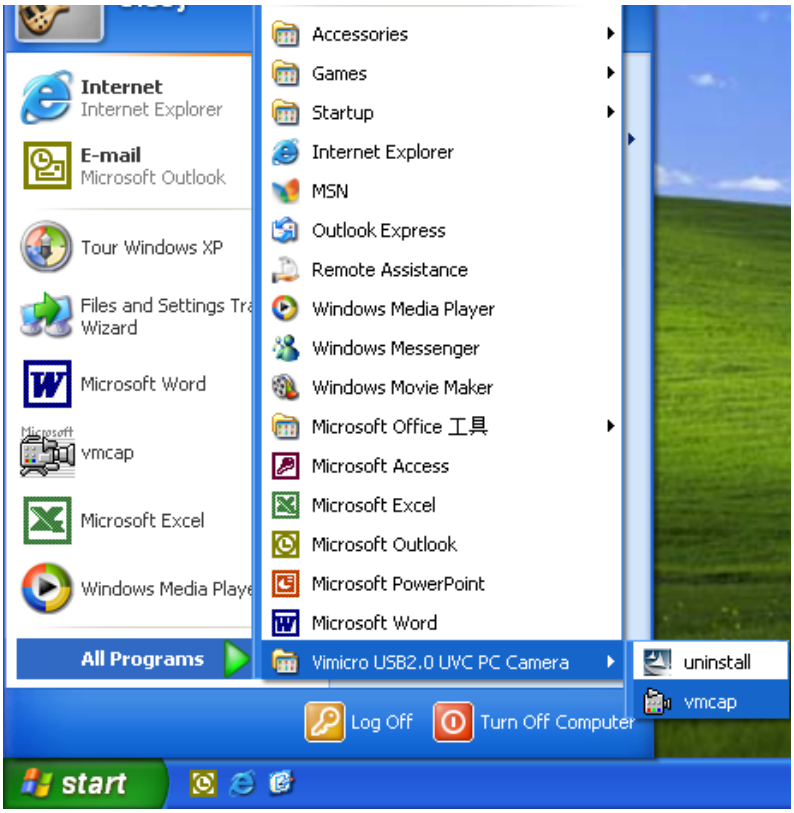
6. Choose “Continue Anyway” to continue, when this window appears.


Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
Setup Status
Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation
InstallShield
Cancel

7. Click on “Finish” to exit and finish the software installation.

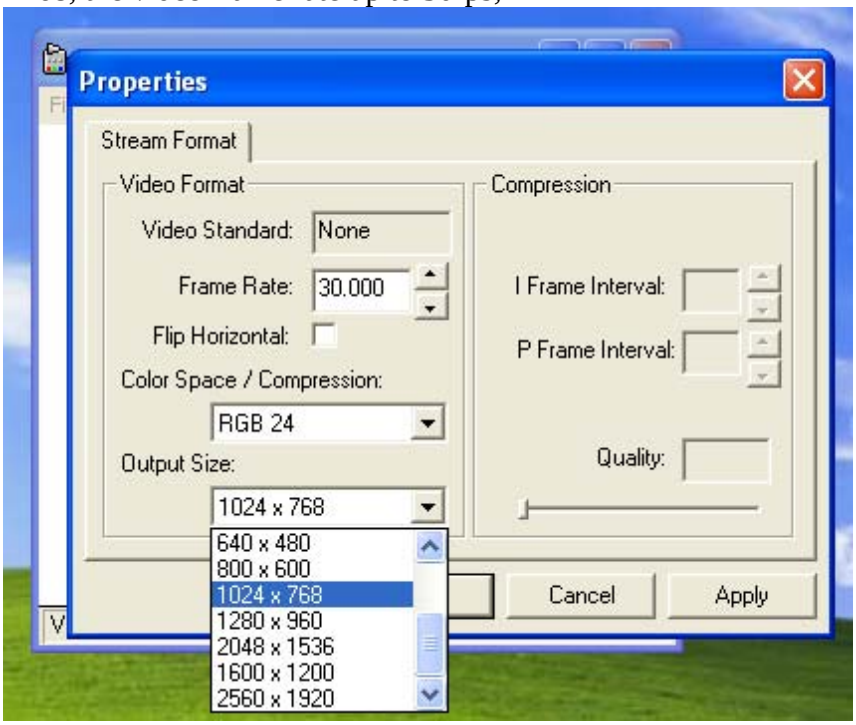

Vimicro USB2.0 UVC PC Camera - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Vimicro USB2.0 UVC PC Camera. Click Finish to exit the wizard.
InstallShield
< Back
Finish
Cancel

8. From the “**start**” menu, find out “vmcap” under “Vimicro USB2.0 UVC Camera” from “**All Programs**”, to start the video capture.

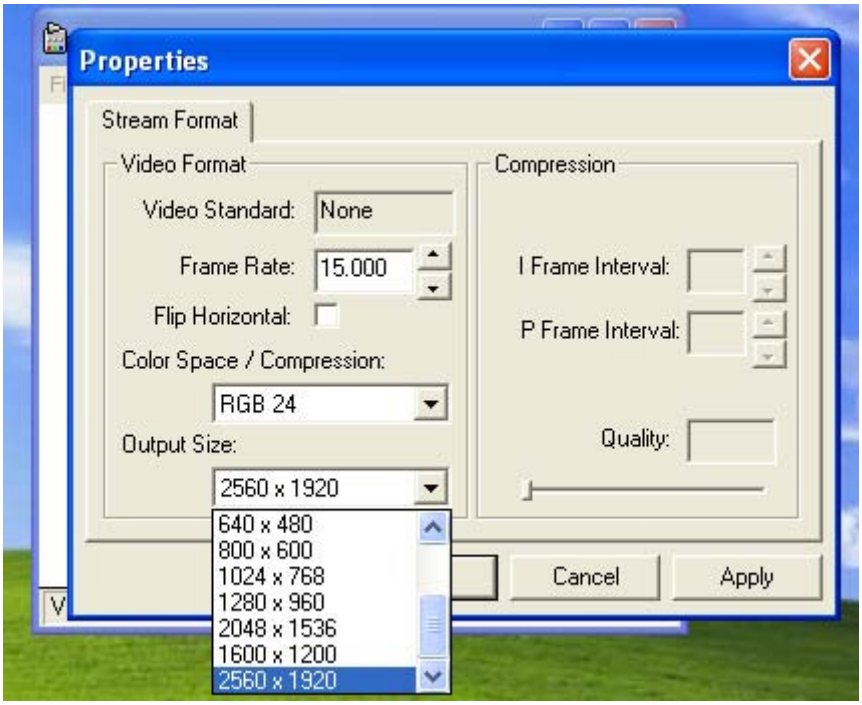


9. Start the video capture, and choose the “Video Capture Pin…” from the “Options” to adjust the capture picture size.

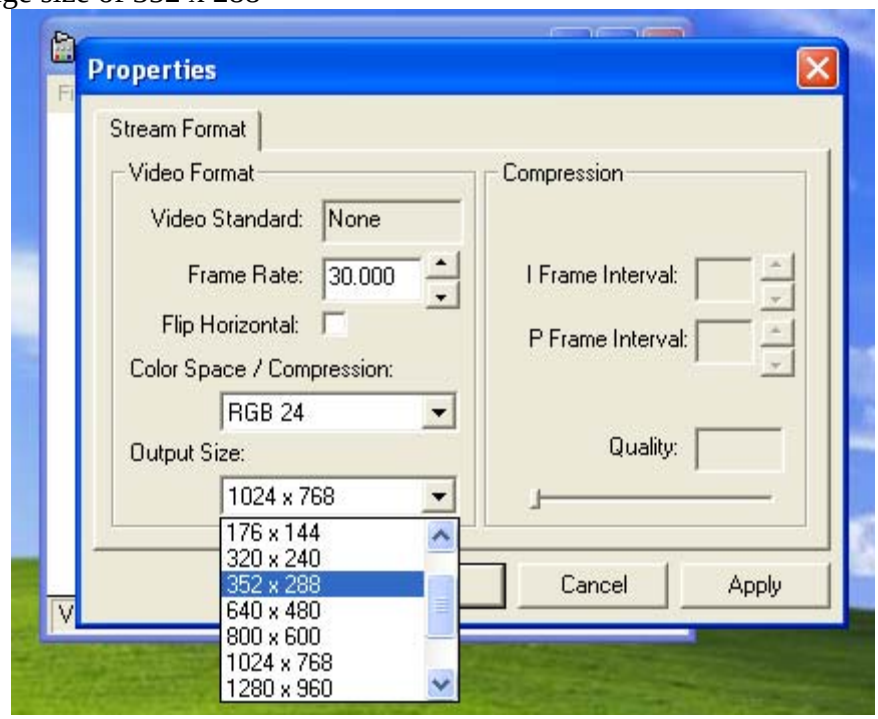
10. To adjust the picture size from 320 x 240 to 2560 x 1920;
Picture size under 1024 x 768, the video frame rate up to 30fps;



If the picture sizes you choose from 1280 x 960 to 2560 x 1920 the frame rate being 15fps.

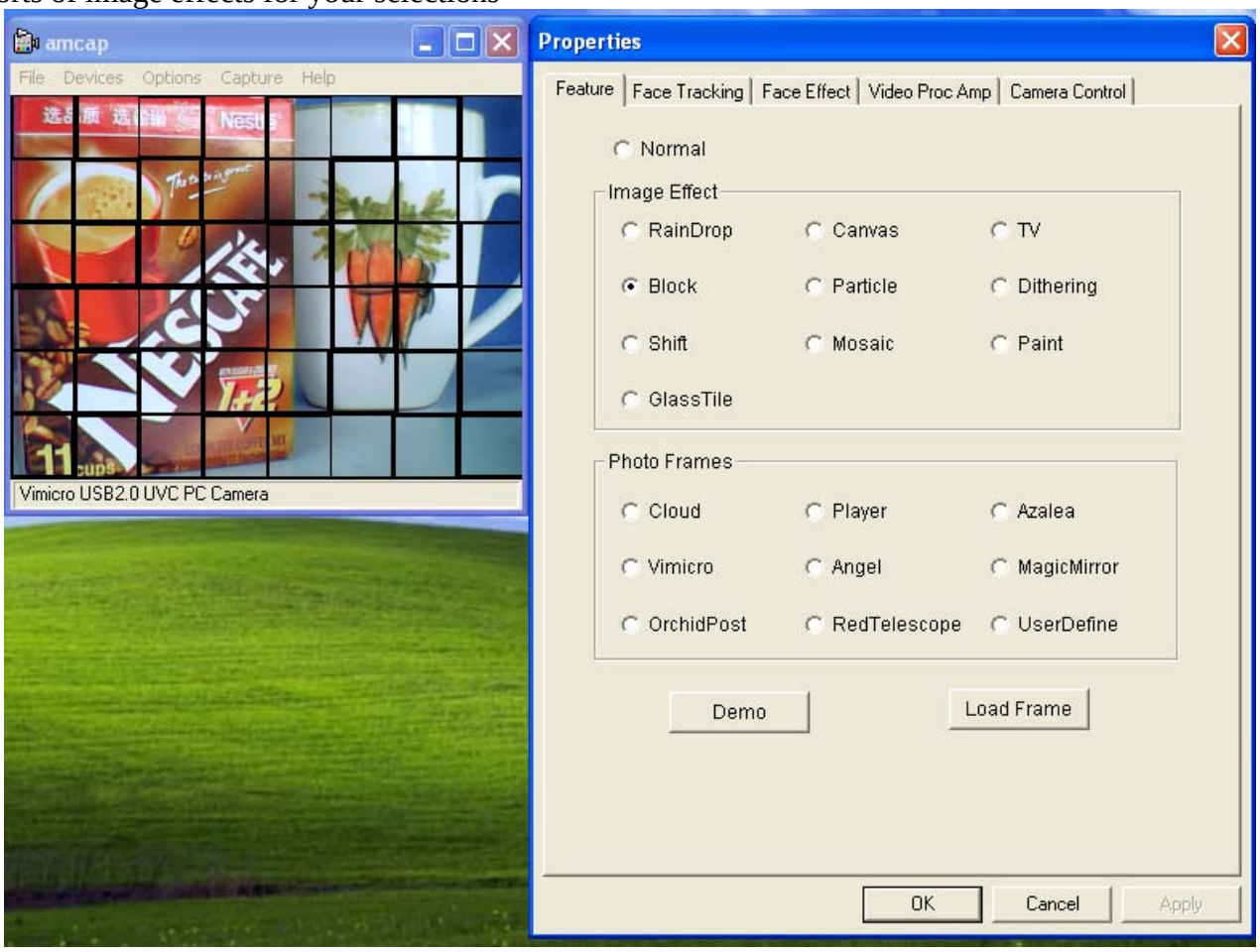


11. PC camera special effects (Image effect, Photo frame, Face tracking, Face effect functions, etc.) are only available under the image size of 352 x 288

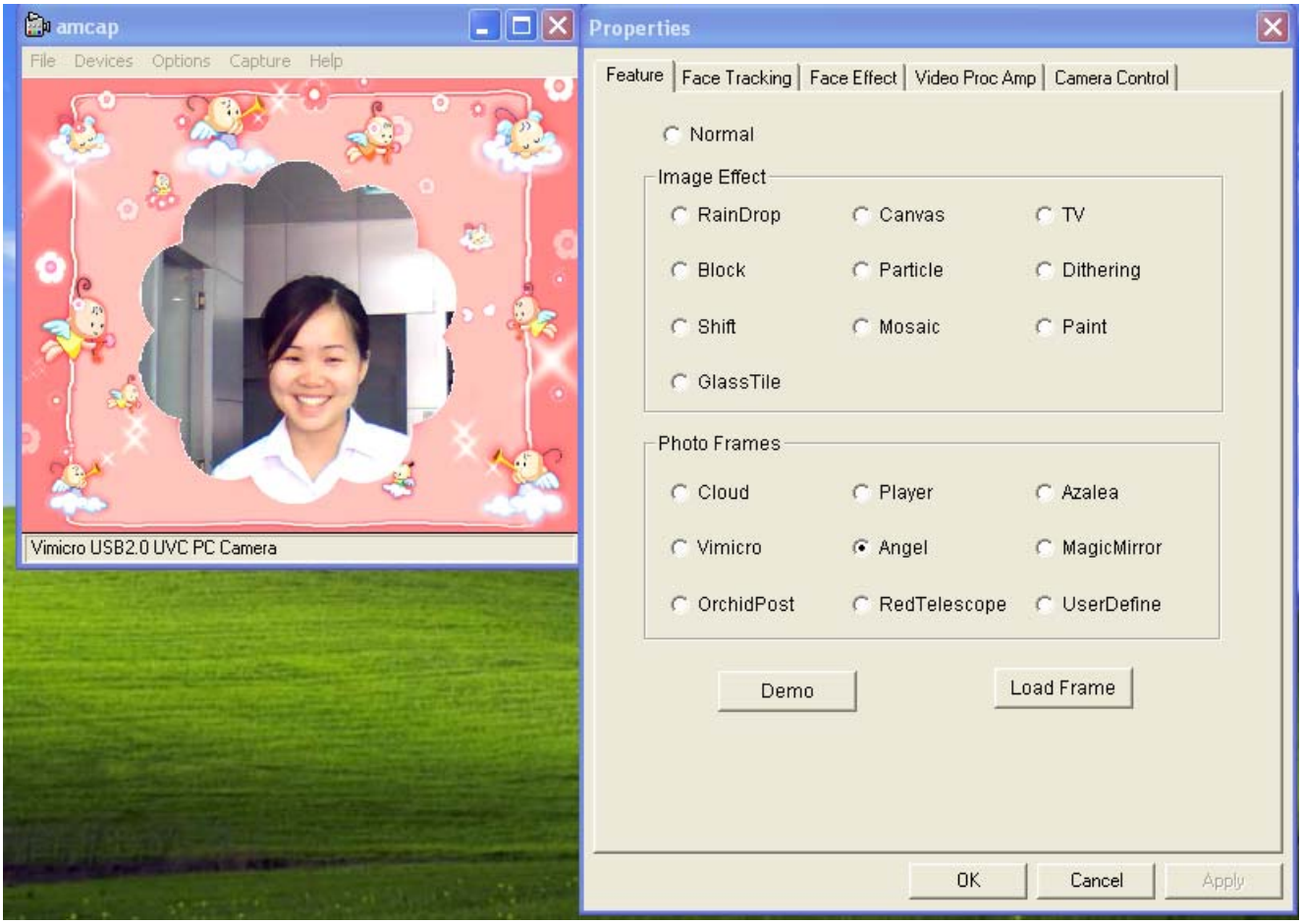


12. After you choose the video capture size under 352 x 288, then choose the “Video Capture Filter…” from the “Options” to adjust the video capture special effects.

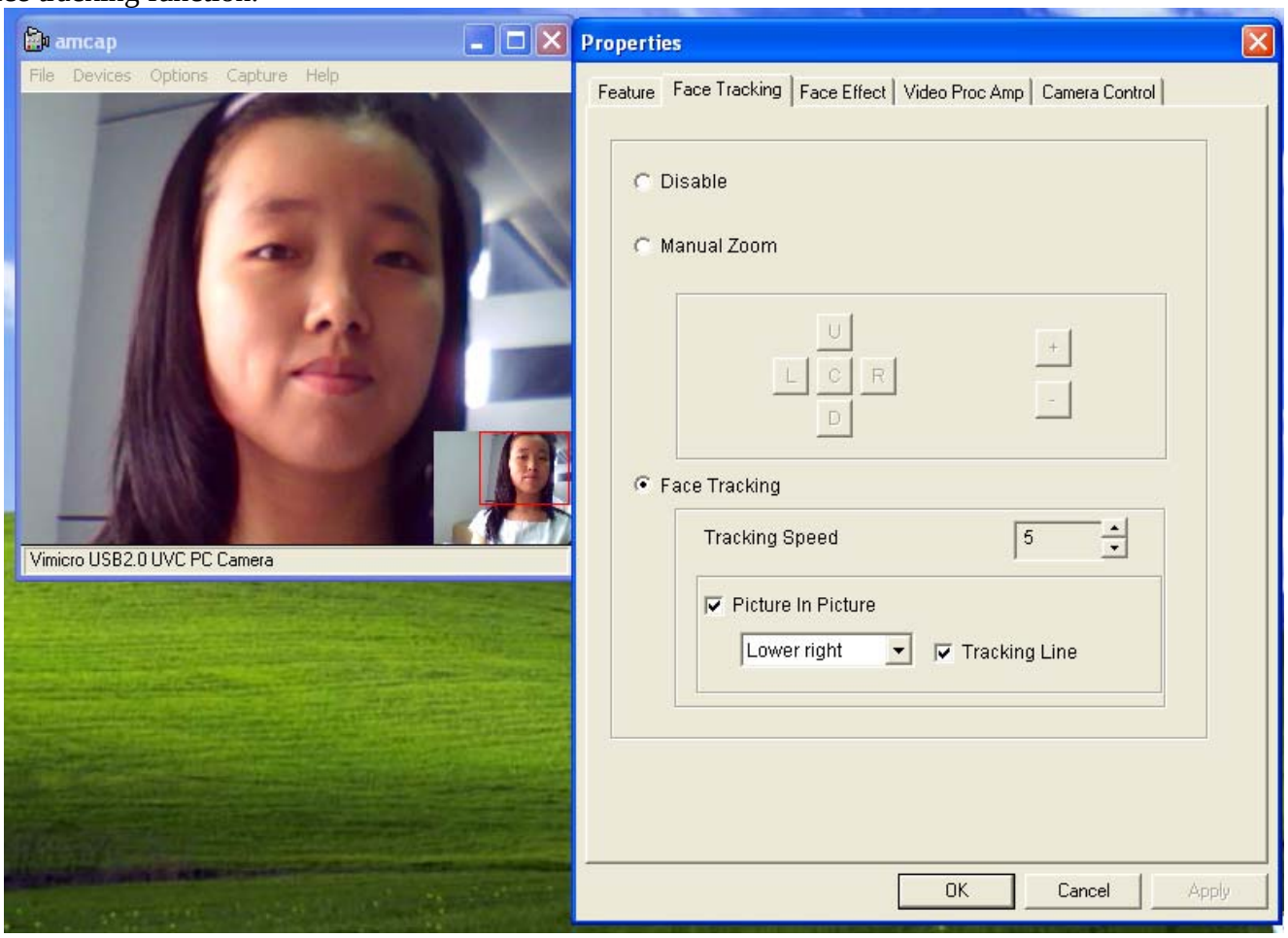
13. 10 sorts of image effects for your selections



14. 9 sorts of embedded photo frames for your selections, also you can load frames by yourself from “Load Frame”

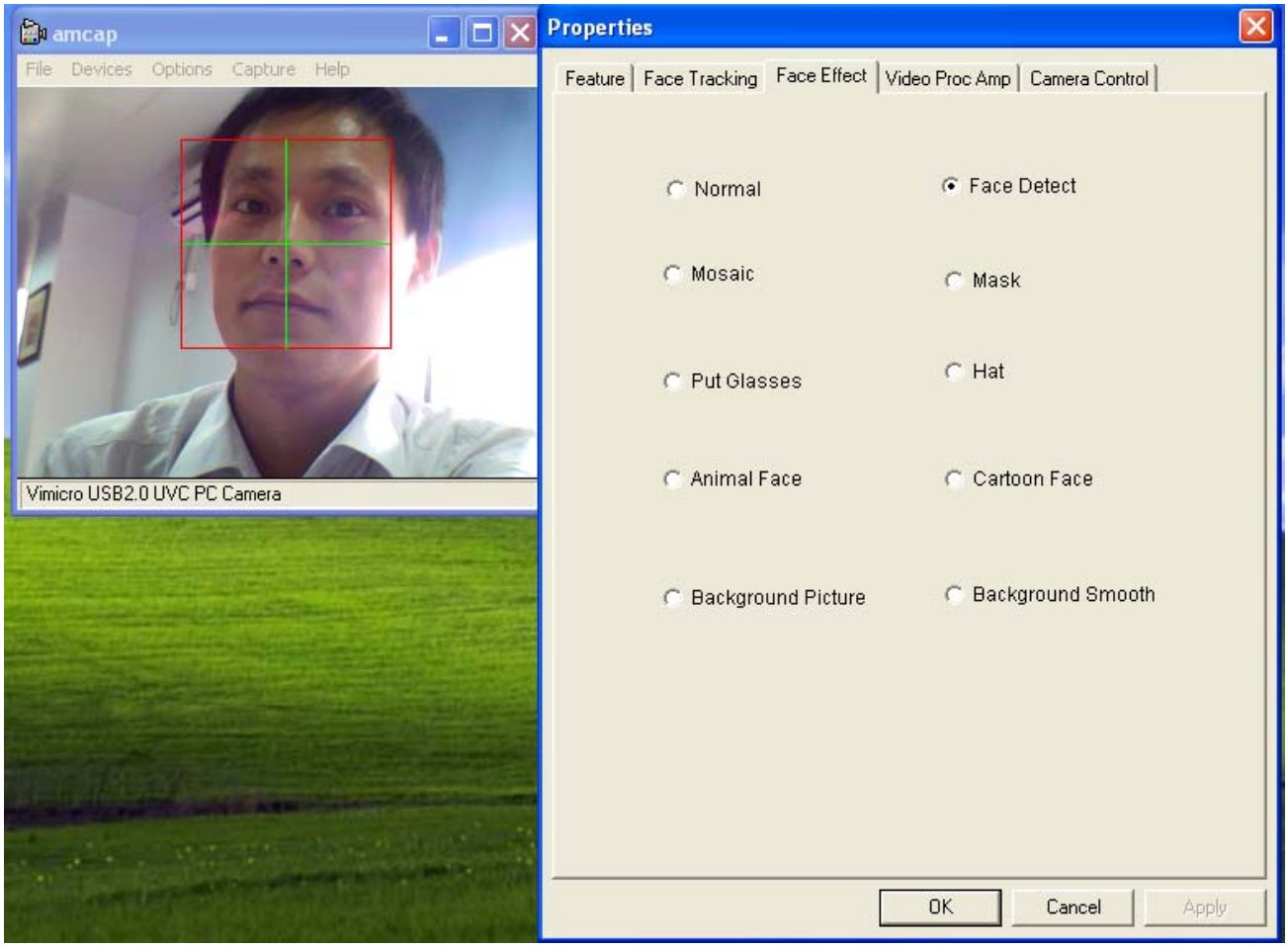


15. Face tracking function.

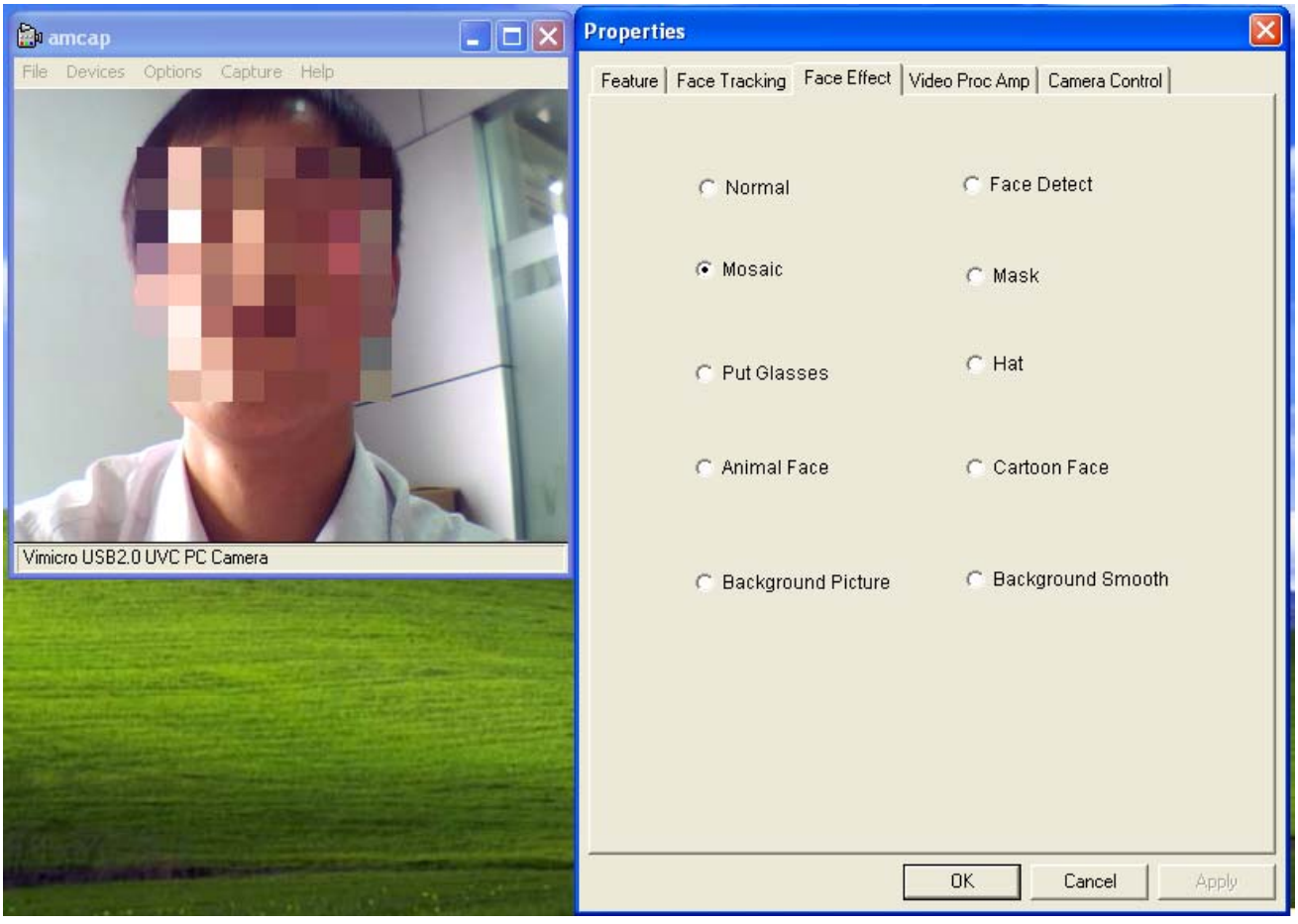


16. Face effect functions (9 sorts):

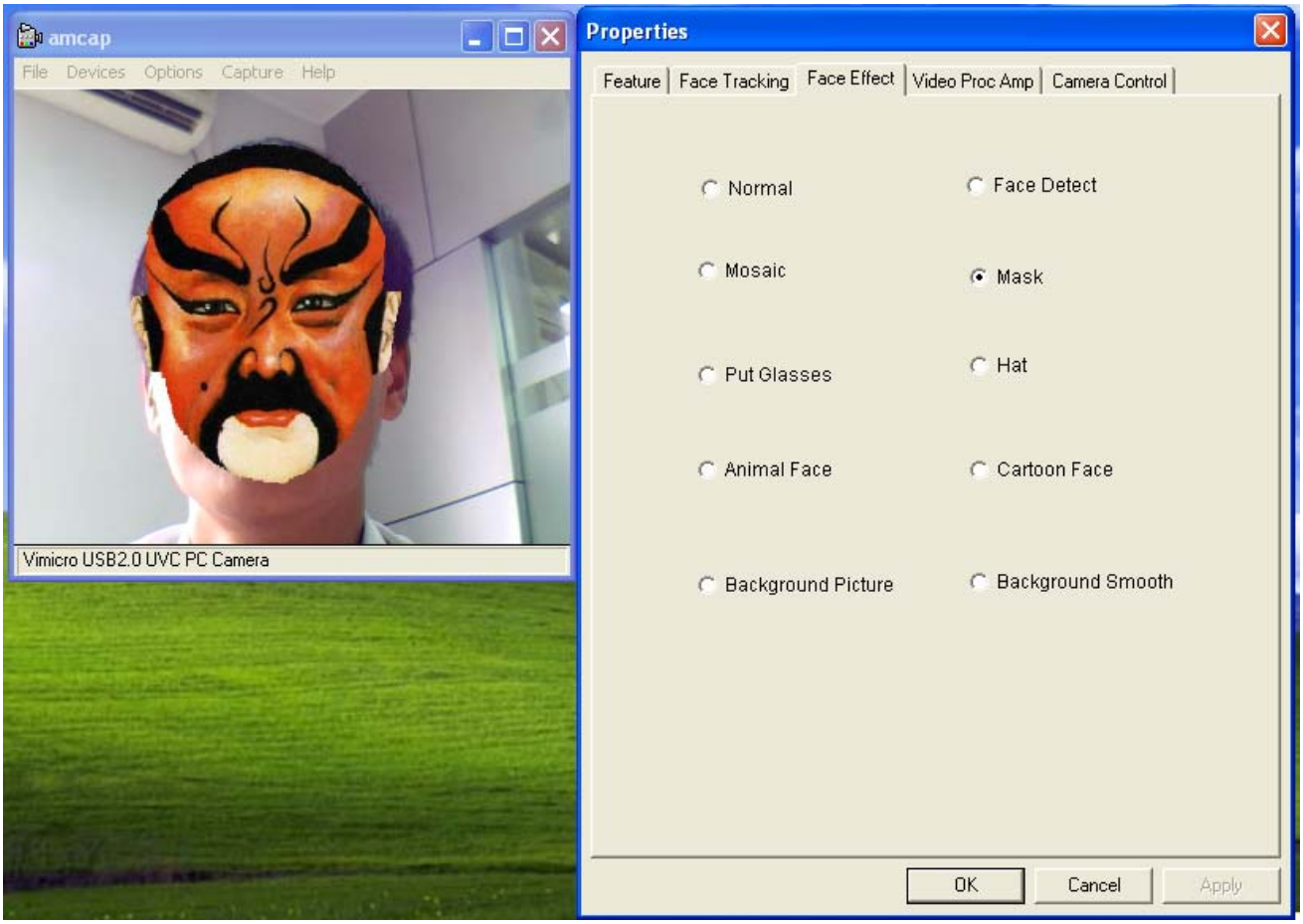
a. Face Detect



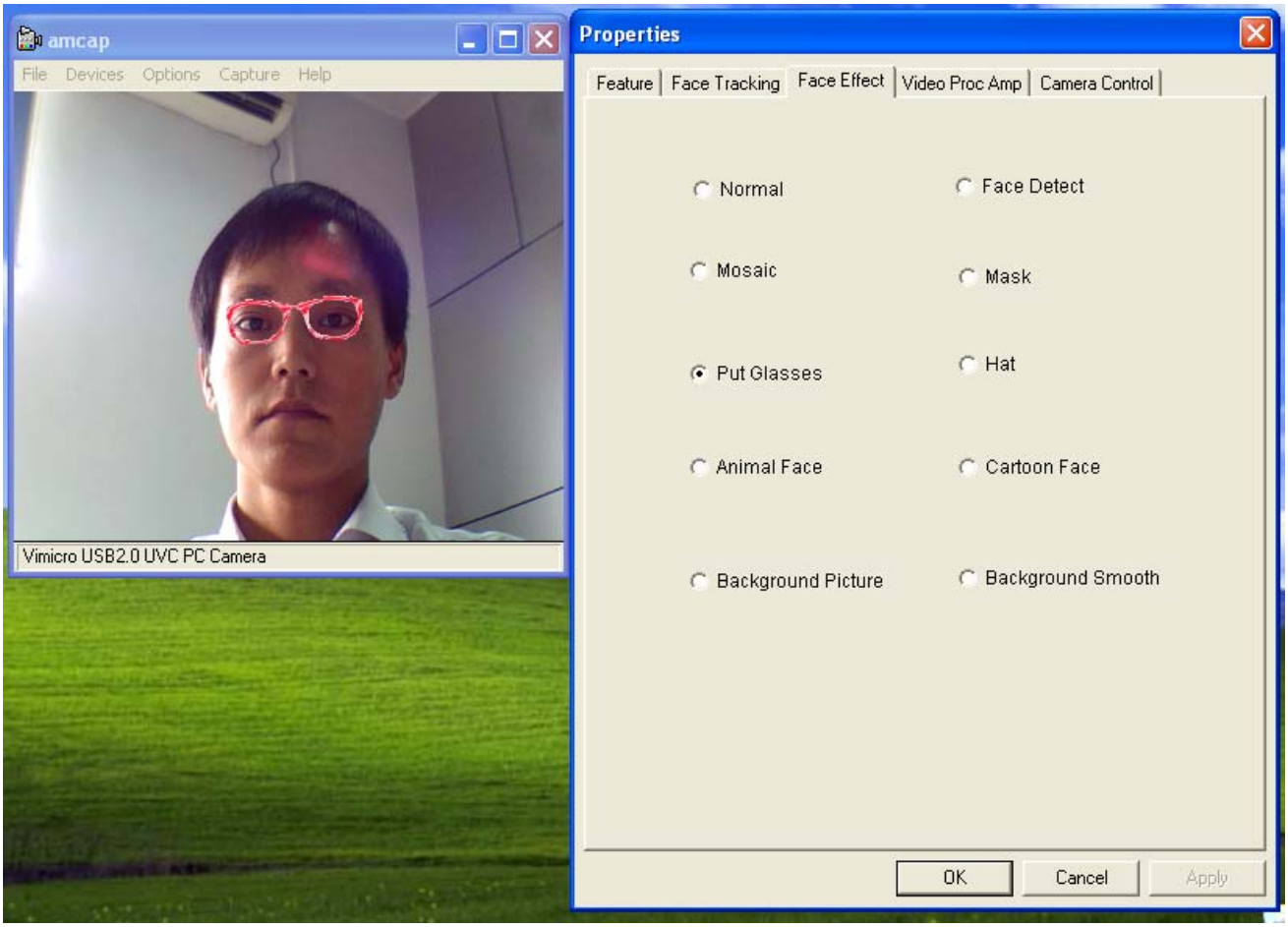
b. Mosaic



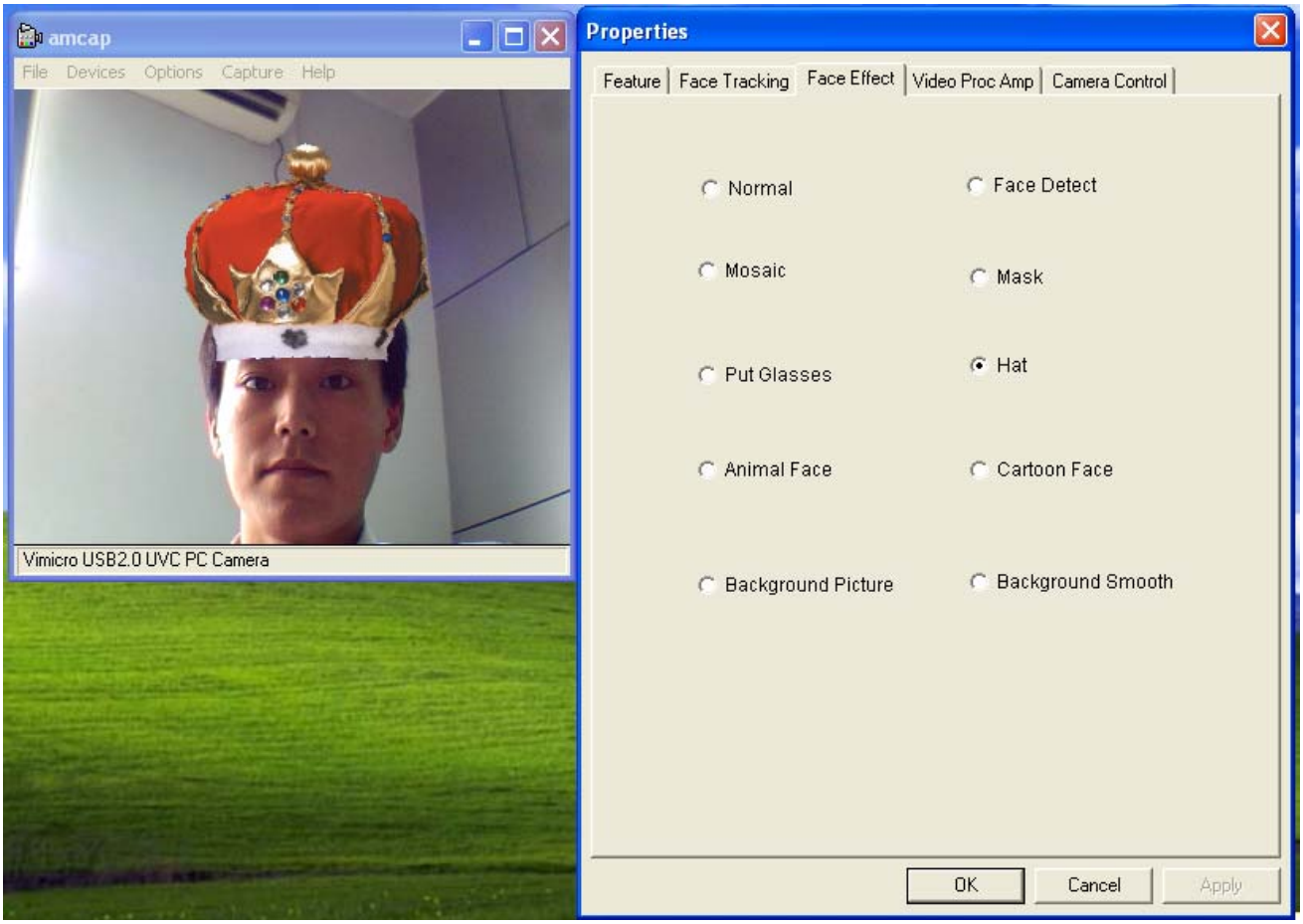
c. Mask



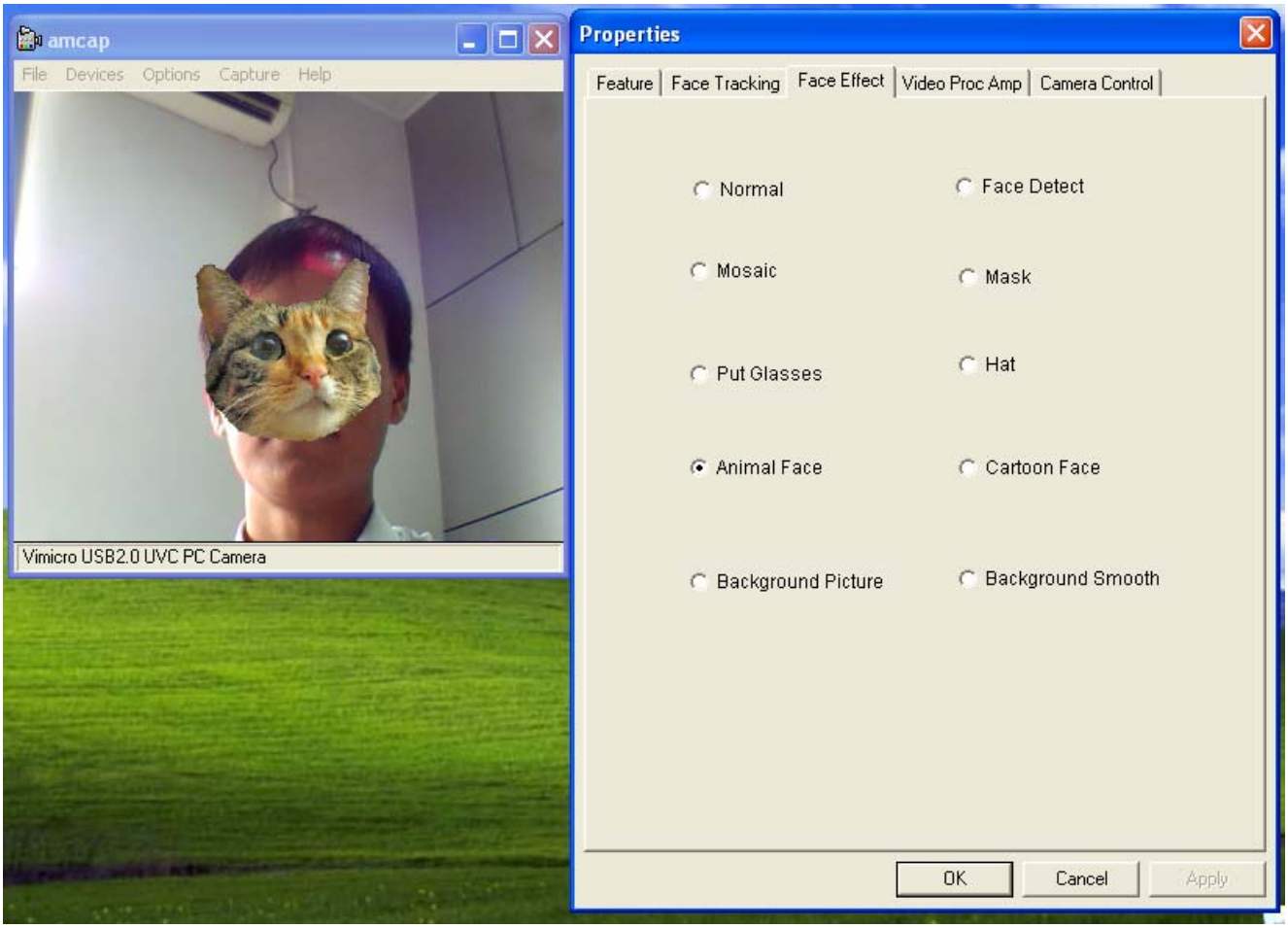
d. Put Glasses



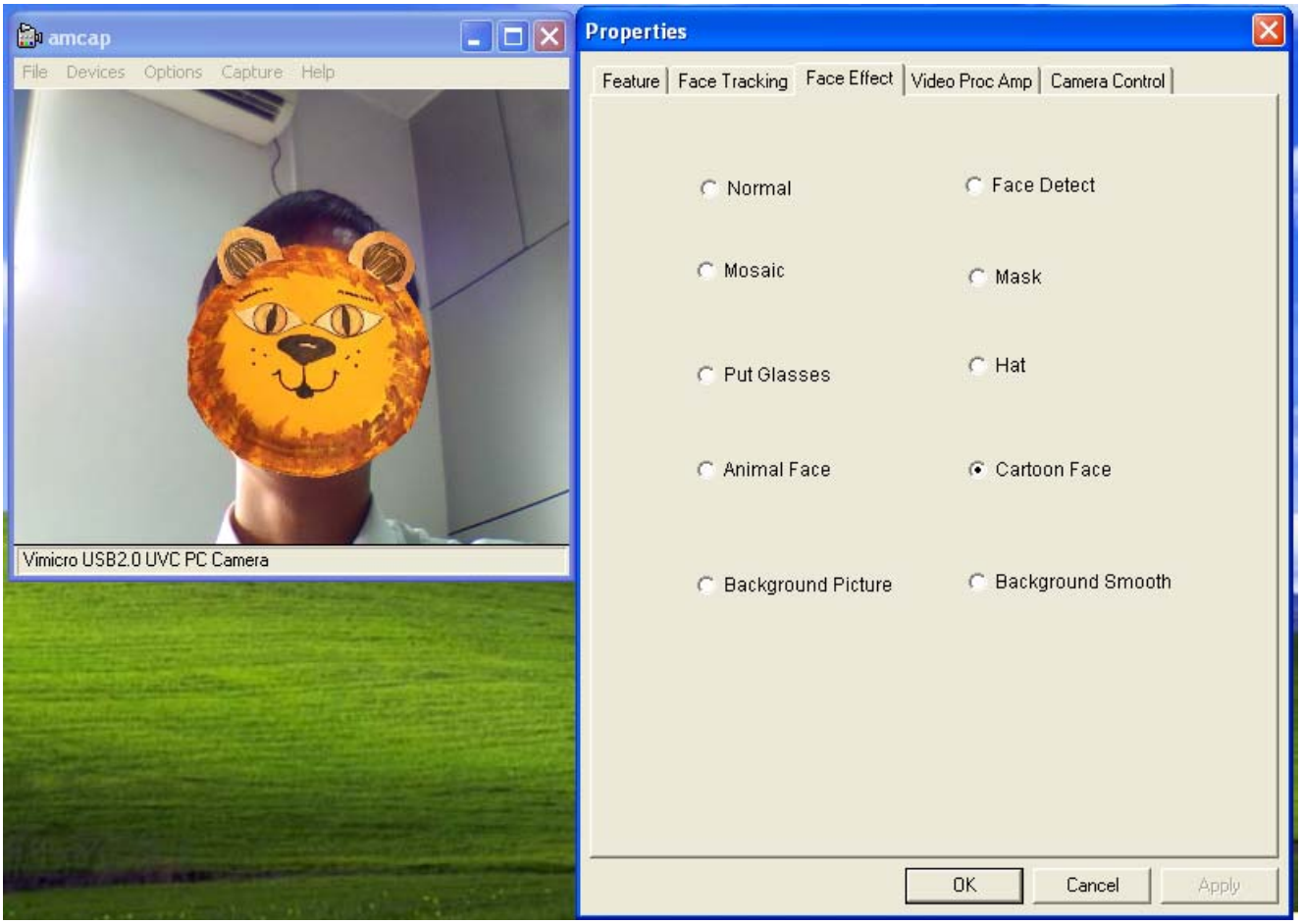
e. Crown Hat



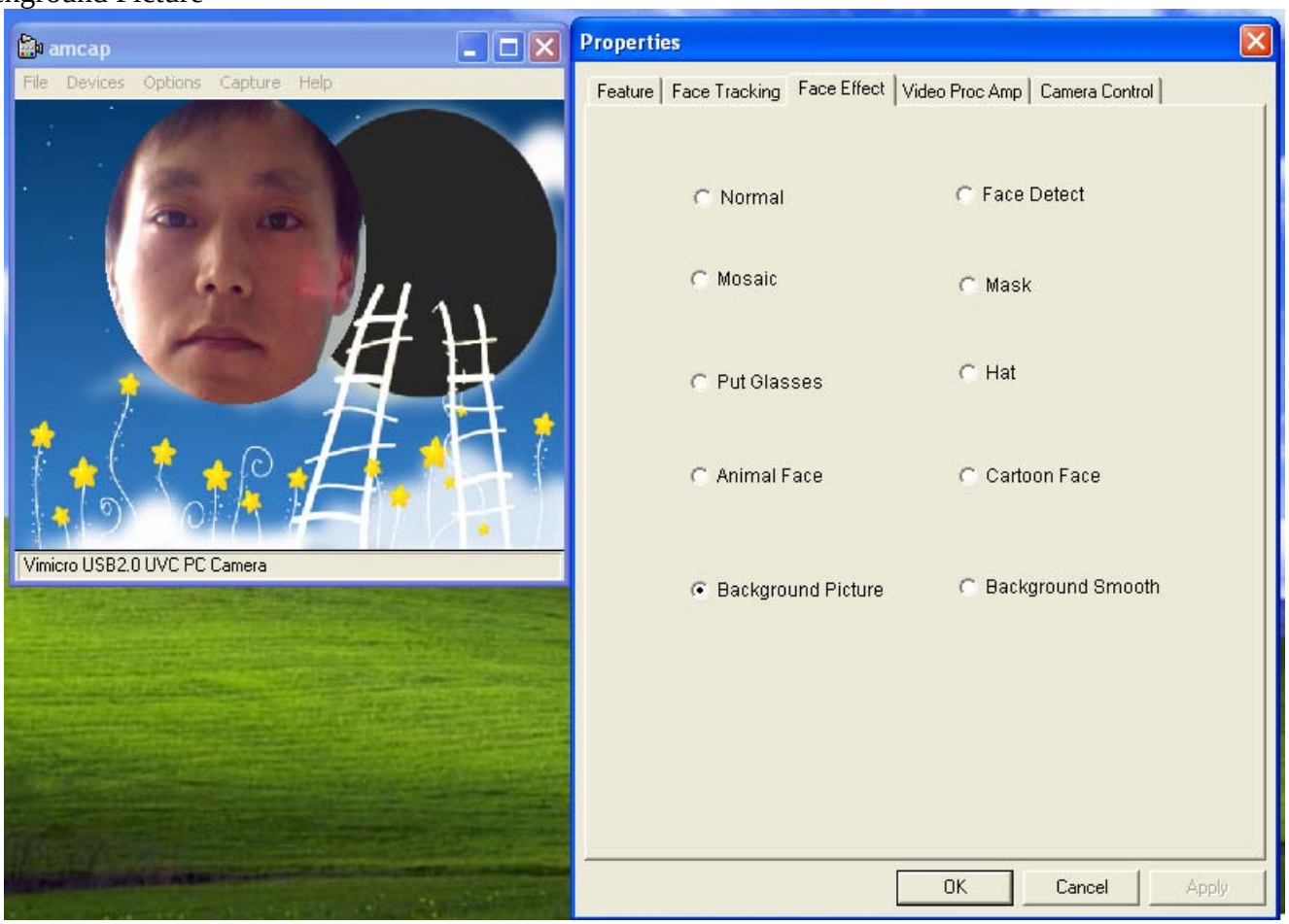
f. Animal Face



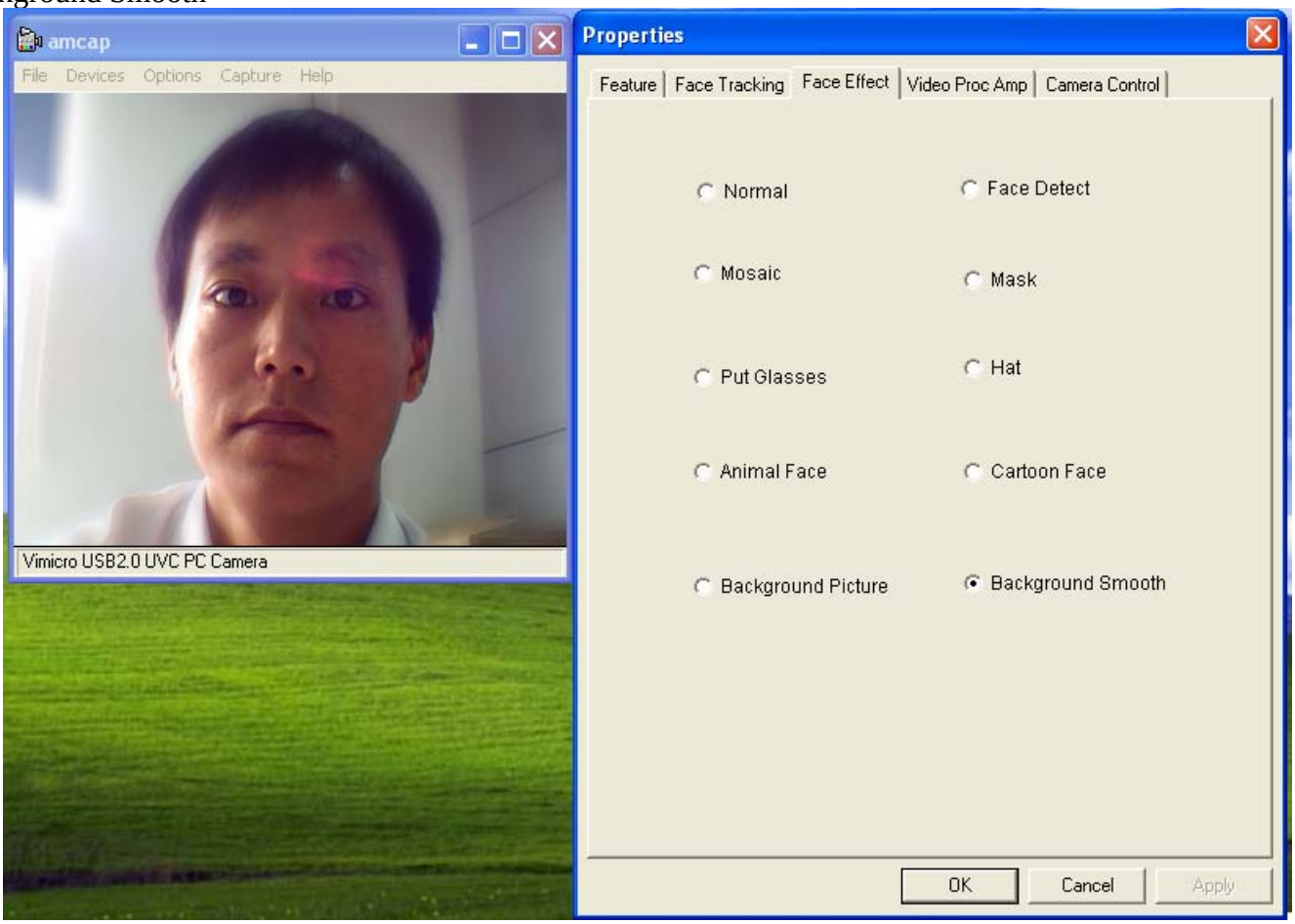
g. Cartoon Face



h. Background Picture



i. Background Smooth



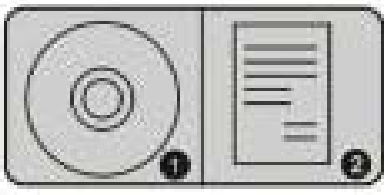
Cautions

- Do not touch the lens with your hand, sharp or roughness things; make use of clean and soft materials for cleaning.
- Do not use it in hot, cold and dusty or humid circumstances.
- Avoid any tumbling while in use. Severe falling may cause damages to the lens, malfunction of scratches to the surface

Warranty

- This product is under warranty of non-human factors:
  A: Free replacement within three months from purchase date.
  B: Free charge for repair within one year from purchase date
- For any problems concerning our products you purchased, please send them back to local sales agent with effective illuminations.

Accessories:



- Installation CD
- Webcam User Manual